

Global Leader in EHR Systems Turns to Dynamsoft to Speed Up Development and Enhance Document Scanning in its Radiology Management Software

SUMMARY

A global market-leading company provides advanced technological solutions that include radiology and cardiovascular workflow software. This company has been offering radiology management software for more than a decade. Naturally, the company continually updates it to provide new enhancements. For the latest version, the company sought to include advanced document workflow management and convenience features. Internal teams evaluated many solutions that included developing the image capture technology in-house. Ultimately, the team opted for a software development kit (SDK). Using an SDK would save a lot of time and money on development costs. Dynamsoft's [Dynamic Web TWAIN SDK](#) was selected to implement document scanning capabilities. Just as the company had sought, the SDK noticeably helped expedite time to market. It also provided developers with an opportunity to implement a host of new document imaging and management capabilities.

THE COMPANY

This global company has a USA presence in a variety of industries that include medical, optics, and more. The specific medical part of the company provides advanced technological solutions that include radiology and cardiovascular workflow applications, amongst other solutions. The company has well more than 50,000 employees worldwide.

THE SCENARIO

For the healthcare industry, the company provides a radiology management application. It is used by some of the nation's largest healthcare facilities and providers. It helps them automate or simplify patient workflow processes. This includes support for front-office scheduling of appointments, dose management, and so on. It is a complete radiology business management solution that includes paperless forms, scheduling, and more. For its latest version, the company was looking to provide more collaborative and advanced image capture capabilities. When undergoing the design of new features, they consider all parties involved within their team, from marketing and engineers, to sales and its customers. It was during this practice that the company was introduced to Dynamsoft's SDK – a colleague had previous experience with using a Dynamsoft SDK. The company quickly did a proper evaluation to determine if it should build or buy its upcoming image capture capabilities. The team evaluated Dynamsoft's Dynamic Web TWAIN SDK. It was found to meet all criteria for robustness in features and in helping improve time to market.

THE SOLUTION

Dynamsoft's Dynamic Web TWAIN SDK provide developers a simple way to deliver a TWAIN scanning module in a web application so they need write just a couple of lines of code in JavaScript. This is instead of taking months to learn the TWAIN standard. Then many more months would be required to develop an application with hundreds to thousands of lines of code. A finished application gives users key features for document scanning, uploading, editing, and document management within web browsers. The SDK has built-in support for local image editing and saving options to a variety of formats. Documents can be saved to local or remote databases or other repositories. It supports HTML5 browsers, 32-bit / 64-bit Internet Explorer® (IE), Firefox®, Chrome®, Microsoft® Edge, Safari® and Opera™ browsers on Windows® and/or Mac® OS X.

Key technologies built into the SDK are ideal. For example, Sandbox ensures hassle-free communication by improving stability and compatibility with scanning devices while also improving security. Supported devices include TWAIN-compatible scanners, digital cameras or capture cards. Scanned documents can be saved to local, server, remote databases or other repositories. Extensive editing options include rotate, crop, mirror, flip, erase, sizing, zooming, annotating, and more.

The SDK includes built-in functionality for image captures from webcams. This adds to other capabilities, such as built-in 1D and 2D barcode reading capabilities. The Dynamic Web TWAIN SDK is amongst the most comprehensive available for developing complete document management solutions. Another feature includes a JavaScript IntelliSense feature to increase programming speed and help reduce programmer errors.

THE BENEFITS

The company's application development team was able to significantly improve time to market. Dynamsoft's Dynamic Web TWAIN SDK was found to be easy and straightforward to use. Developers even uncovered many additional capabilities the SDK was able to provide over previous toolsets that were used. Now, new image capture and editing capabilities were able to be implemented. The SDK's built-in support for numerous document types and allowing previewing of document scans also benefits users. Dynamsoft's technical support team even stepped in to urgently remedy a technical problem. As a result, the application was easily back on track toward a timely finalization. In the end, the SDK was able to reduce development time while also improving the image capture and editing capabilities within the company's medical application.

Today, the application is a full-featured, web-based radiology management system. It fulfills the feature set the company set out to accomplish for its users. It is fully integrated with other related solutions the company offers and has complete EHR certification for meaningful use in radiology.
